



Construction on a drawing board

If you see a couple of fellows measuring walls, doors, pipes or anything else here at Ecusta, don't think they are crazy. They are just putting some idea to work.

All the things we build grow first from ideas. Then they become plans that take on a definite shape as discussions and decisions elaborate on the original ideas. Between the planner and the builder stands the engineers and draftsmen who must translate ideas into completely-detailed working drawing and specifications.

Construction and maintenance are an intricate and continuous proposition. In the Drafting Room the draftsmen plan in accurate detail the day-to-day building, changes and maintenance of our plant. Their work varies as much as the duties of the Engineering Department which they serve.

An idea is presented them, they go out and take measurements, and by a system of symbols they draw up plans for the construction or maintenance crews. In drawing these plans they must translate the original ideas into detailed drawings of girders, trusses, beams, replacement parts and water, steam and electrical installations. Accurate calculations must be made of the stresses to be expected at various points, and the structure designed to bear them safely. Also, they must show the size of each piece of material needed in construction.

Drawings usually show a top view, a side view

